



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**RBW6205G05951-3G-PO**

**Job Sheet 199097**



**Part No:** RBW6205G05951-3G-PO

**Job Qty:** 1 pcs

**Part Name:** Main Rotor Damper End Wrench



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 8/12/19

**Job Tracking No:**

**Due Date:** 10/4/19

**Created By:** Patrick Lussier

**Type:** Stock

**Description:**

**Note:** DWG RBW6205G05951-3G Rev.2 IPP Rev. A 18.10.22 New issue DP Verify DD

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation                     | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier    |           | Sign-off       |
|-------|-------------------------------|-------|------------|----------|-----------|---------|------------------------|-----------|----------------|
|       |                               |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier  | Lead Time |                |
| 100   | Purchasing                    | 1 pcs | 10/4/19    | 10/4/19  | 0.00      | 0.00    | Purchasing - 1         |           | DP OCT 15 2019 |
|       |                               |       |            |          |           |         | Purchasing - 2         |           |                |
|       |                               |       |            |          |           |         | Purchasing - 3         |           |                |
| 110   | Packaging 2-1 - Receive - B4B | 1 pcs | 10/4/19    | 10/4/19  | 0.00      | 0.00    | Packaging 2 - 1 - B4B  |           | DP OCT 15 2019 |
|       |                               |       |            |          |           |         | Packaging 2 - 2 - B4B  |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 3 - B4B  |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 5 - B4B  |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 4 - B4B  |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 6 - B4B  |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 7 - B4B  |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 8 - B4B  |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 9 - B4B  |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 10 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 11 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 12 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 13 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 14 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 15 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 16 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 17 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 18 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 19 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 20 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 21 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 22 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 23 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 24 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 25 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 26 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 27 - B4B |           |                |
|       |                               |       |            |          |           |         | Packaging 2 - 28 - B4B |           |                |



**Container No:** S222276



**Part:** RBW6205G05951-3G

**Job No:** 199097

**Serial No/Batch:** S222276

**Revision:** 2

**Inspector:**

**Exp Date:**

**Instructions:**

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Date: 10/15/19

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|                                 |       |         |           |                        |      |
|---------------------------------|-------|---------|-----------|------------------------|------|
|                                 |       |         |           | Packaging 2 - 29 - B4B |      |
|                                 |       |         |           | Packaging 2 - 30 - B4B |      |
|                                 |       |         |           | Packaging 2 - 31 - B4B |      |
|                                 |       |         |           | Packaging 2 - 32 - B4B |      |
|                                 |       |         |           | Packaging 2 - 33 - B4B |      |
|                                 |       |         |           | Packaging 2 - 34 - B4B |      |
|                                 |       |         |           | Packaging 2 - 35 - B4B |      |
|                                 |       |         |           | Packaging 2 - 36 - B4B |      |
| 120 QC 6                        | 1 pcs | 10/4/19 | 0.00 0.00 | QC 6 - 9               |      |
|                                 |       |         |           | QC 6 - 68              | DAS  |
|                                 |       |         |           | QC 6 - 61              | 61   |
|                                 |       |         |           | QC 6 - 40              | 9-89 |
|                                 |       |         |           | QC 6 - 81              |      |
| 130 Packaging 3-1 - Stock - B4B | 1 pcs | 10/4/19 | 0.00 0.00 | Packaging 3 - 1 - B4B  |      |
|                                 |       |         |           | Packaging 3 - 2 - B4B  |      |
|                                 |       |         |           | Packaging 3 - 3 - B4B  |      |
|                                 |       |         |           | Packaging 3 - 4 - B4B  |      |
|                                 |       |         |           | Packaging 3 - 5 - B4B  |      |
|                                 |       |         |           | Packaging 3 - 6 - B4B  |      |
|                                 |       |         |           | Packaging 3 - 7 - B4B  |      |
|                                 |       |         |           | Packaging 3 - 8 - B4B  |      |
|                                 |       |         |           | Packaging 3 - 9 - B4B  |      |
|                                 |       |         |           | Packaging 3 - 10 - B4B |      |
|                                 |       |         |           | Packaging 3 - 11 - B4B |      |
|                                 |       |         |           | Packaging 3 - 12 - B4B |      |
|                                 |       |         |           | Packaging 3 - 13 - B4B |      |
|                                 |       |         |           | Packaging 3 - 14 - B4B |      |
|                                 |       |         |           | Packaging 3 - 15 - B4B |      |
|                                 |       |         |           | Packaging 3 - 16 - B4B |      |
|                                 |       |         |           | Packaging 3 - 17 - B4B |      |
|                                 |       |         |           | Packaging 3 - 18 - B4B |      |
|                                 |       |         |           | Packaging 3 - 19 - B4B |      |
|                                 |       |         |           | Packaging 3 - 20 - B4B |      |
|                                 |       |         |           | Packaging 3 - 21 - B4B |      |
|                                 |       |         |           | Packaging 3 - 22 - B4B |      |
|                                 |       |         |           | Packaging 3 - 23 - B4B |      |
|                                 |       |         |           | Packaging 3 - 24 - B4B |      |
|                                 |       |         |           | Packaging 3 - 25 - B4B |      |
|                                 |       |         |           | Packaging 3 - 26 - B4B |      |
|                                 |       |         |           | Packaging 3 - 27 - B4B |      |
|                                 |       |         |           | Packaging 3 - 28 - B4B |      |
|                                 |       |         |           | Packaging 3 - 29 - B4B |      |
|                                 |       |         |           | Packaging 3 - 30 - B4B |      |
|                                 |       |         |           | Packaging 3 - 31 - B4B |      |
|                                 |       |         |           | Packaging 3 - 32 - B4B |      |
|                                 |       |         |           | Packaging 3 - 33 - B4B |      |
|                                 |       |         |           | Packaging 3 - 34 - B4B |      |
|                                 |       |         |           | Packaging 3 - 35 - B4B |      |
|                                 |       |         |           | Packaging 3 - 36 - B4B |      |
| 140 QC 21 - FG                  | 1 pcs | 10/4/19 | 0.00 0.00 | QC 21 - FG - 21        | DAS  |
|                                 |       |         |           | QC 21 - FG - 70        | 21   |
|                                 |       |         |           | QC 21 - FG - 53        | 9-89 |

Part Op 100 - Issue P/O: 4604216 MANUFACTURE RBW6205G05951-3G AS PER DWG Supplier: METEC Certificate of Descriptions: conformity is required

110 - (Receive & Inspect for Damage & Mat'l Certs)

120 - QC6- All purchased or subcontracted products

130 - (Identify as per dwg & Stock Location: \_\_\_\_\_)

140 - (QC21- Final Inspection - Work Order Release)

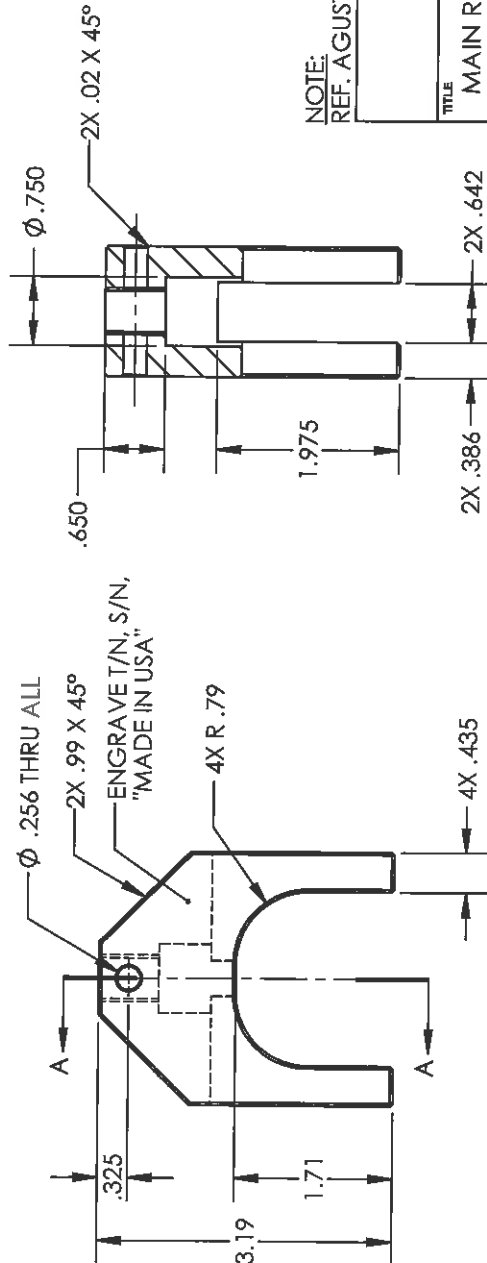
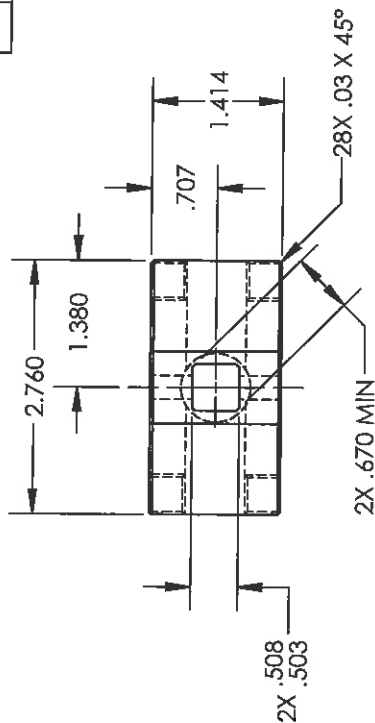
OCT 16 2019

| Job BOM                            |                   |              |                |           |
|------------------------------------|-------------------|--------------|----------------|-----------|
| Part / Item                        | Component Name    | Quantity     | Operation      | Container |
| RBW6205G05951-3GP                  | RBW6205G05951-3GP | 1 pcs (1 ea) | 100-Purchasing | 5222 274  |
| Job Allocations                    |                   |              |                |           |
| Operation                          | Component Part    | Required     | Inventory      | Allocated |
| 100-Purchasing                     | RBW6205G05951-3GP | 1            | 0              | 0         |
| Part Specifications                |                   |              |                |           |
| Specifications could not be found. |                   |              |                |           |

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| REV | ECR     | DESCRIPTION                                                                                                                                                                                                                                       | DATE       | INITIAL | APPROVED |
|-----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|----------|
| 1   |         | ADDED MISSING DIMENSIONS 1.975 & .642, ADDED -3G TO T/N ENGRAVE NOTE, DELETED CHAMFER FROM Ø.750 HOLE PER G.E.                                                                                                                                    | 11/16/2009 | RJC     | RW       |
| 1A  | 14-0216 | CHD TITLEBLOCK WAS RED BARN IS DART. UPDATED 1/2" DRIVE DIMS. CHD FINISH SPEC WAS MIL-C-81562, TYPE I, CLASS II IS QQ-P-4116F, TYPE II, CLASS II, CHD DIMS WAS .642 IS 2X .642, WAS 4X .386 IS 2X .386, CHD TOLERANCE ON NON-CRITICAL DIMENSIONS. | 11/17/2014 | DPD     | JAG      |
| 2   | 17-0060 | UPDATED TO NEW STANDARDS. CHD FINISH WAS CAD PLATE YELLOW SPEC MIL-C-81562, TYPE I CLASS II IS ZINC PLATE SPEC ASTM B633 TYPE I, 3C2.                                                                                                             | 3/17/2017  | SM      | JAG      |



# SECTION A-A

**FUNCTION:**  
USED TO REMOVE/INSTALL THE ROD END FROM THE MAIN ROTOR DAMPER.

| ASSY QTY | ASSY B/O | Part # | UNIT QTY | Description                      | Material    | B/O INFORMATION OR SPECIFICATIONS |
|----------|----------|--------|----------|----------------------------------|-------------|-----------------------------------|
|          |          |        | 1        | MAIN ROTOR DAMPER ROD END WRENCH | 41.40/41.42 |                                   |

NOTE:  
REF. AGUSTA T/N: 3G6205G05951



| TITLE      | MAIN ROTOR DAMPER ROD END WRENCH |
|------------|----------------------------------|
| DWG NO.    | RBW 6205G05951-3G                |
| REV        | 2                                |
| MAT'L      | 4140/4142                        |
| TREAT      | RC 30-35                         |
| FINISH     | ZINC PLATE                       |
| SPEC       | ASTM B633 TYPE I SC 2            |
| DRAWN BY:  | PERRITT                          |
| CHECKED:   | DD 03/17/2017                    |
| OPPS APPR: | AA 03/20/2017                    |
| QA APPR:   | JL 03/29/2017                    |
| APPROVED:  | JAG 04/03/2017                   |
| SCALE      | 1:2                              |
| DATE       | 1/30/2009                        |
| SHEET      | 1 OF 2                           |

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
FRACTIONS ± 1/8  
XXX ± .005  
XX ± .01  
X ± .1  
ANGLES ± 5°  
SURFACES ± 125/  
1. BREAK ALL SHARP EDGES  
.015 X 45° OR .01SR  
2. DIMENSIONAL LIMITS APPLY  
AFTER PLATING  
3. INTERPRET DIM AND TOL PER  
ASME Y14.5M-2009  
USED ON MODEL  
AW139



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER

## POHB044218



**Supplier:** MEM001-VC  
Metec Metal Technology Inc.  
20 Terry Fox Drive PO Box 781  
Vankleek Hill  
ON  
K0B 1R0 Canada  
Phone: 613 678 3957  
Fax: 613 678 3956

**Attention:** Walz, Shigi

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** POHB044218  
**PO Date:** 8/7/19  
**Due Date:** 10/4/19  
**Purchase Order**  
**Revision:**  
**Revision Date:**  
**Ship-To Contact:** Phone:

**Via:** Ground  
**Pymt Terms:** Net 60  
**Freight Terms:**  
**Special Comments:**

*Revised*

| Items               |        |                   |                  |         |                                                                       |        |         |          |                |                   |         |                    |                |
|---------------------|--------|-------------------|------------------|---------|-----------------------------------------------------------------------|--------|---------|----------|----------------|-------------------|---------|--------------------|----------------|
| Line Item           | Job    | Part              | Supplier Part No | Item No | Description                                                           | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD)   | Extended Price |
| 1                   | 198898 | RBW6205G00632-3GP |                  |         | Sling, Main Rotor Blade Lift<br>As per Dwg RBW6205G00632-3G Rev. 6    | Firmed | -       | 10/4/19  | 2 pcs          | 0 pcs             | 2 pcs   | \$5,980.00/pcs     | \$11,960.00    |
| 2                   | 198901 | RBW6205G11532-3GP |                  |         | Swashplate Support Stand<br>As Per Dwg RBW6205G11532-3G REV 5         | Firmed | -       | 10/4/19  | 2 pcs          | 0 pcs             | 2 pcs   | \$8,106.00/pcs     | \$16,212.00    |
| 3                   | 198900 | RBW6205G03832-3GP |                  |         | Main Rotor Blade Blocking/Protecting Assembly<br>REV 5                | Firmed | -       | 10/4/19  | 3 Ea           | 0 Ea              | 3 Ea    | \$2,065.00/Ea      | \$6,195.00     |
| 4                   | 198906 | RBW6205G05951-3GP |                  |         | RBW6205G05951-3GP REV 2                                               | Firmed | -       | 10/4/19  | 1 pcs          | 0 pcs             | 1 pcs   | \$410.00/pcs       | \$410.00       |
| 5                   | 198910 | RBW6405G08832-3GP |                  |         | Tail Rotor Bushing Install Tool<br>As Per Dwg RBW6405G08832-3G Rev/ D | Firmed | -       | 10/4/19  | 2 Ea           | 0 Ea              | 2 Ea    | \$796.00/Ea        | \$1,592.00     |
| 7                   | 198915 | RB072610-H-00P    |                  |         | GROUND HANDLING WHEELS<br>REV 4                                       | Firmed | -       | 10/4/19  | 3 pcs          | 0 pcs             | 3 pcs   | \$3,700.00/pcs     | \$11,100.00    |
| 8                   | 199097 | RBW6205G05951-3GP |                  |         | RBW6205G05951-3GP REV 2                                               | Firmed | -       | 10/4/19  | 1 pcs          | 0 pcs             | 1 pcs   | \$410.00/pcs       | \$410.00       |
| <b>Grand Total:</b> |        |                   |                  |         |                                                                       |        |         |          |                |                   |         | <b>\$47,879.00</b> |                |



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

**PURCHASE ORDER**  
**POHB044218**



**Order Notes**

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

**Procurement Quality Clauses**

- A005 RIGHT OF ENTRY
- A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
- A012 CHEMICAL AND PHYSICAL TEST REPORTS
- A016 PERSONNEL QUALIFICATION
- A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
- A026 CERTIFICATION OF MATERIAL CONFORMANCE
- A041 QUALITY MANAGEMENT SYSTEM
- A042 DART NOTIFICATION BY SUPPLIER
- A043 RETENTION OF QUALITY DOCUMENT
- A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
- A049 SUPPLIER AWARENESS

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METAL TECHNOLOGY INC.

www.metec.ca | 20 Terry Fox Drive, Vankleek Hill, Ontario, Canada K0B 1R0 | Phone: +1 613-678-3957 Fax: +1 613-678-3956

### Packing List

**Bill** Dart Aerospace Ltd.  
**To:** 1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Canada

**Ship** Dart Aerospace Ltd.  
**To:** 1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Canada

**Shipment No:** 25961  
**Shipment Date:** 10-Oct-2019  
**Ship Via:**  
**Order Number:** 4080  
**Order Date:** 08/08/2019

**Customer Code:** DART  
**Phone:** (613) 632-9577  
**PO Number:** POHB044218  
**Terms:** Net 60 Days

| Quantity |      |         |     |          |      |                                                            |          | Job     |
|----------|------|---------|-----|----------|------|------------------------------------------------------------|----------|---------|
| Item     | Open | Shipped | B/O | Canceled | Unit | Description                                                | Revision | Number  |
| 4        | 1    | 1       | 0   | 0        | EA   | DART-RBW6205G05951-3GP Main Rotor Damper Rod<br>End Wrench | 2        | 4080-04 |

**RECEIVED**

OCT 11 2019

**DART AEROSPACE LTD.**

The delivered goods must be inspected upon receipt to confirm compliance. Should there be discrepancies please notify METEC within 30 days of delivery. The goods are otherwise deemed accepted.

Received in Good Order By  
Dart Aerospace Ltd.

Page 1 of 1



20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0

Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 [metec@metec.ca](mailto:metec@metec.ca)

## CERTIFICATE OF CONFORMITY

**SOLD TO:**

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, Ont.  
K6A 1K7

**SHIPPED TO:**

same

| Quantity | Part Number                | Part Name                           | Dwg<br>Rev.# | P.O. Number |
|----------|----------------------------|-------------------------------------|--------------|-------------|
| 1        | DART-RBW6205G05951-<br>3GP | Main Rotor Damper Rod End<br>Wrench | 2            | HB044218    |

DAS  
61  
9-889

**MATERIAL:** supplied by METEC

We hereby certify that the above parts were made in conformance with applicable drawings.

*METEC Metal Technology Inc.*

Eric Dewar

Vankleek Hill, October 10, 2019